NeoStation
User Manual

Intranets Version

neoware

Windows-based Terminal Quick Reference Guide

To...	Press....
Display the Neoware desktop	CTRL + ALT + END
Display the next/previous connection	CTRL + ALT + ↑ or ↓
Display the most recent connection	CTRL + ALT + HOME
Raise or lower the audio volume[1]	CTRL + ALT + PLUS or MINUS[2]

[1]On audio-equipped NeoStations only. [2]Use the Plus or Minus keys near the numeric keypad.

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Radio Frequency Interference Statement

U.S. FEDERAL COMMUNICATIONS COMMISSION

The United States Federal Communications Commission (in Subpart J, of Part 15, Docket 20780) has specified that the following notice be brought to the attention of the users of this product.

WARNING

This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

Shielded cables must be used to insure compliance with the Class A limits.

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Introduction

This chapter describes the purpose and main topics of this manual, as well as basic features of NeoStation® Windows-based terminals.

Overview

Purpose and intended readers

This manual explains how to use NeoStations that are running the Intranets version of Neoware Windows-based Terminal Software, with netOS technologies. It's intended primarily for end users, although administrators, evaluators, and others will find it helpful, too.

Topics covered

We recommend that you read the chapters in this manual in order. The main topics covered are:

- Unpacking and setting up your NeoStation.
- Configuring your NeoStation for your network.
- Starting connections to servers, mainframes, and intranets.
- Changing settings on your NeoStation.

The appendixes cover additional topics that you may need to know, such as making dial-up and Token Ring connections.

What is a Windows-based Terminal?

A new way to use Windows

Windows-based terminals are computers that provide access to programs running on network servers. Once a connection is made to a server, you can use your favorite Windows programs such as Microsoft Office or Adobe Photoshop® in the familiar, full-screen Windows® desktop.

As you work, your terminal sends keystrokes and mouse clicks to the server, which responds with screen updates for your monitor. Most of the processing occurs on the server. Due to the speed of modern computer networks, this exchange happens as fast, if not faster, than processing on a personal computer.

Windows-based terminals aren't difficult to use. If you know how to use a personal computer, or even if you don't, you can use a Windows-based terminal.

NeoStations

NeoStations are sleek Windows-based terminals from Neoware that use standard VGA-type monitors, PS/2 mouses, and pointing devices. On its back panel, your NeoStation may have a parallel port and one or more serial ports for peripheral devices such as printers, modems, and bar code scanners. Audio-equipped NeoStations can use the microphone and stereo headphone jacks on their front panels.

Your NeoStation can connect to 10BaseT or 100BaseT Ethernet networks, as well as make serial port connections with or without a modem. With a PC Card Token Ring adapter, it can even be used on Token Ring networks.

Intranets version

Your NeoStation uses the Intranets version of Neoware Windows-based terminal software for its operation. This software can be installed on a server or in the local memory (for example, flash memory or hard drive) of your NeoStation.

The Intranets version provides powerful and flexible computing capabilities for networks that have many types of servers as well as

web pages. Using the Intranets version, your NeoStation can start simultaneous, multiple connections to Windows NT-based servers, UNIX-based servers, mainframes, minicomputers, intranets, and the Internet.

FYI

To make Windows connections using ICA, the server must be running Citrix MetaFrame®, WinFrame®, or Citrix Device Services (CDS).

Connections to Windows NT-based servers are made via Citrix's Independent Computing Architecture (ICA®) or NTRIGUE network protocols. Access to UNIX-based servers can be made by Telnet and rlogin connections. In addition, a TN3270 emulator and a VT320 emulation are included, and the optional teemTC suite provides more than 30 other terminal emulations.

The Intranets version supports the DHCP, BOOTP, and RARP remote configuration services, and the CIFS, NFS, FTP, and TFTP file transfer protocols. It also includes a local Netscape® Navigator browser.

Getting More Information

Printed documentation

Neoware provides other printed documentation for your instruction:

- The *Neoware Software Installation Guide* explains how to install Neoware software on servers and NeoStations.
- The *Neoware System Administrator's Guide* provides comprehensive technical information about setting up and operating NeoStations and Neoware software on a network.
- Hardware upgrade guides, available by request, explain how to upgrade Neoware terminals with more memory and other options.

The Internet

You can find current and archival information about Neoware products, including the latest software updates, at:

http://www.neoware.com

In addition, this user manual and other Neoware documentation are available on the Neoware Web site as for reading or downloading.

Technical support For technical support, call Neoware at 610.277.8300, or send an e-mail message to *support@neoware.com*.

CHAPTER 1

Setting up Your NeoStation

This chapter describes how to unpack and set up your NeoStation.

Unpacking Your NeoStation

Packaging contents

Your NeoStation typically is shipped in two cartons, containing these items:

NeoStation

- A power supply for your NeoStation.
- A keyboard with cable attached.
- A mouse with cable attached.
- A monitor video cable (attached to some monitors).
- End-user documentation.

Monitor

- A monitor power cable (attached to some monitors).
- A tilt/swivel base, attached or unattached.

To unpack your NeoStation, open the cartons carefully, remove the components, and save the packing materials in case you need to repack your NeoStation.

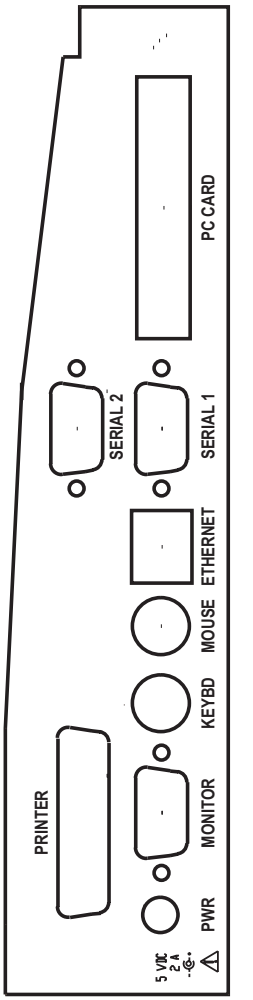
Connecting the Components

Back panel connectors

This diagram shows the back panel connectors of NeoStation 2000 series models. The position and number of connectors on other NeoStation models are slightly different.

- PWR is a 2.5 mm, 5-volt DC, 2 amp, center-positive power jack.
- MONITOR is a monitor port for a standard DB-15, high-density, VGA-type connector.
- PRINTER is a standard DB-25 parallel port for printers, floppy disk drives, and other parallel port devices.
- KEYBD is a PS/2-type keyboard port.
- MOUSE is a PS/2-type mouse port.
- ETHERNET is RJ-45 jack for a 10BaseT, twisted-pair Ethernet connector.
- SERIAL 1 is a DB-9, RS-232 port for devices such as modems, personal digital assistants (PDAs), and bar code readers.
- SERIAL 2 is another DB-9, RS-232 port for peripheral devices.
- PC CARD is a PCMCIA slot for PC Card hard drives and Fast Ethernet and Token Ring adapters. You can use Type 1, 2, or 3 PC Cards.

  Warning Insert only 5-volt PC Cards from Neoware in the PC CARD slot. 3.3-volt PC Cards and PC Cards from other sources can be damaged if inserted.



NeoStation 2000 back panel

FYI

To use serial port devices connected to your NeoStation, the Windows NT communication (COM) ports must be correctly mapped. Ask your system administrator.

Connecting the cables and monitor

Tip

The arrows on the keyboard and mouse cable connectors should point left, toward the curved side of your NeoStation.

1. **Connect the keyboard cable to the KEYBD port.**
2. **Connect the mouse cable to the MOUSE port.**
3. **Connect the monitor video cable to the MONITOR port.**

   Don't overtighten the connector screws. The video cable to the monitor varies. Some monitors have attached video cables.
4. **Connect the monitor power cable to a power source.**

   If you're using a monitor not supplied by Neoware, you may need to set its timing. To learn how, see page 10.
5. **Connect the power adapter cable to the PWR socket.**

   Warning To avoid damaging your NeoStation, use only the 5-volt, 2.4-amp power adapter provided by Neoware.
6. **Connect the power cord of the adapter into a 5 VDC SELV power source.**

   Warning Use only 5 VDC SELV power sources. NeoStations can operate in 100-240 Volt/50- 60 Hz power installations.
7. **Arrange your NeoStation and monitor in your work area.**

   Be careful not to block the ventilation areas on your NeoStation or on monitor.

Connecting peripheral devices

You can connect a modem, printer, floppy disk drive, bar code scanner, or other external devices to your NeoStation, if it has the necessary back panel connectors.

FYI

To use a serial port device with Windows connections, your NeoStation serial (COM) ports must be mapped on the Windows NT-based server. Ask your system administrator.

1. **If your NeoStation is turned on, log off all its open connections, and then turn off the NeoStation.**
2. **If you have a local printer or an external floppy disk drive, connect its cable to the parallel PRINTER port.**

   You can't connect a printer and a floppy drive at the same time, even if they're connected to one another.
3. **If you have an external modem, bar code scanner, or other serial device, connect its cable to a serial port.**

   To learn how to make a dial-up connection, see page 33.

Connecting the Network Cable

Now you're ready to connect a network cable to your NeoStation.

FYI

Your NeoStation can use only one Ethernet connection at a time, but it can be connected to both an Ethernet and a Token Ring network.

- **To connect to a 10BaseT Ethernet network**, insert a twisted-pair Ethernet cable into the ETHERNET jack on the back panel of your NeoStation.
- **To connect to a 100BaseT Ethernet network**, first install a Fast Ethernet PC Card adapter from Neoware in a PC Card slot in your NeoStation. Then select the correct duplex mode in the Connection box of the Neoware Control Panel Network tab. To learn how, see page 14.
- **To connect to a Token Ring network**, first install a Token Ring PC Card adapter in a PC Card slot. Then enter the correct settings in the Neoware Control Panel Token Ring tab. To learn how, see page 51.

Using the On/Off Switch

- **To turn on your NeoStation**, push in the round, purple on/off ⏻ switch on its front panel.
- **To turn off your NeoStation**, push the on/off switch again so that it returns to its extended position.

Using the Front Panel

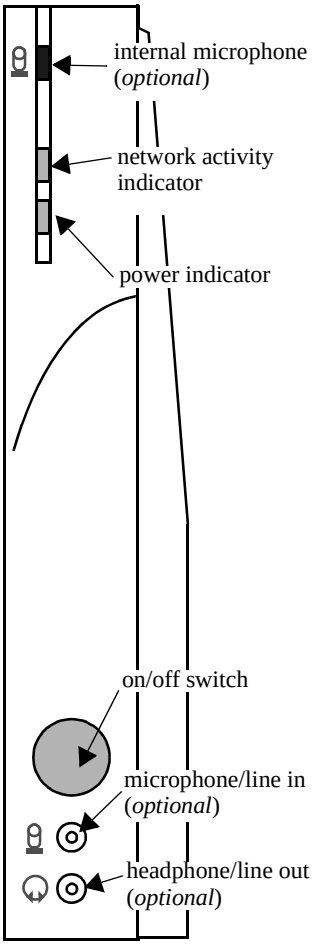
Here are the indicators, connectors, and switches on the NeoStation front panel. Not all may be functional on your NeoStation model.

- The optional *internal microphone* is installed in audio-equipped NeoStations.

  When an external microphone or line input is connected to the microphone/line in jack, the internal microphone is disabled.

- The *network activity indicator* lights when your NeoStation is sending data through a network.
- The *power indicator* lights when your NeoStation is connected to a power source and is turned on.
- The *on/off switch* turns your NeoStation on or off. Push it in for on, out for off.
- The optional *microphone/line in* jack on audio-equipped NeoStations is for standard PC-type microphones and other audio sources.
- The optional *headphone/line out* jack on audio-equipped NeoStations is a standard stereo mini-jack for headphones or powered speakers.

  When a plug is connected to this jack, the internal speaker is disabled.



NeoStation front panel

Setting the Monitor Timing

Do you need to set the timing?

The monitor timing sets the screen resolution and horizontal and vertical frequencies of your monitor. When you purchase a monitor from Neoware, its timing is preset before shipment.

However, if you're not using a monitor from Neoware, its screen may appear at an incorrect resolution, out of sync, or blank when you first try to use it with your NeoStation. In that case, you need to set the monitor timing.

This section describes how to set the monitor timing for most monitors. If you have questions, ask your system administrator.

Selecting a setting

Before you set the monitor timing on your NeoStation, select a setting.

1. **Determine the desired screen resolution (for example, 1024 x 768) for your monitor.**
2. **Using Table 1, find the pair of horizontal and vertical frequencies that most closely match your monitor specifications.**

   If needed, refer to your monitor documentation.
3. **Note the appropriate monitor setting in the left column.**

TABLE 1. Monitor Timing Settings

Monitor Setting	640x480	800x600	1024x768	1152x864*	1280x1024*
20	H=31.5KHz V=60Hz				
21		H=37.9KHz V=60Hz			
22		**H=46.8KHz V=75Hz**	H=48.4KHz V=60Hz		
23		H=53.7KHz V=85Hz	**H=60KHz V=75Hz**		H=64KHz V=60Hz
24		H=53.7KHz V=85Hz	**H=68.7KHz V=85Hz**	H=67.5KHz V=75Hz	H=64KHz V=60Hz
25		H=53.7KHz V=85Hz	**H=68.7KHz V=85Hz**	H=67.5KHz V=75Hz	H=80KHz V=75Hz

Bold indicates default frequencies. *NeoStation 2000 series with 2 MB of video RAM only.

Warning Connecting your monitor to a signal source that exceeds its maximum specified horizontal and vertical synchronization frequencies can damage the monitor. Before changing its timing, carefully check your monitor's specifications.

Setting the timing

Once you've selected a monitor setting (for example, 22), you're ready to set the timing on your NeoStation. Because the monitor timing is incorrect during this procedure, nothing may appear on screen.

1. **Reboot your NeoStation by turning it off and then on.**
2. **When the keyboard lights flash, press the Pause key to interrupt the boot process.**

   Your NeoStation indicates the pause by a short beep.
3. **Type 22, and then press the Enter key.**

   A short beep acknowledges your entry.
4. **Type 22 again, and then press the Enter key.**

   Two short beeps indicate matching entries. One long beep indicates mismatched entries and that you must start again at Step 1.
5. **Press the Pause key to resume booting.**

   Two beeps indicate the new setting is saved in nonvolatile memory of your NeoStation. No beeps indicate the setting wasn't saved. After the two beeps, your NeoStation reboots.

Tip

A quick way to set the monitor timing is to first try the 22 setting. If 22 doesn't work with your monitor, try settings of 21 and then 20 in turn.

Once you've set the monitor timing, you can change it, without using the above procedure, by using the Neoware Control Panel Advanced tab. To learn how, see page 41.

Arranging Your Work Area

Getting comfortable These tips will help reduce eye strain and body fatigue when using your NeoStation:

- Adjust your chair seat level so that your feet are flat on the floor, your legs form a right angle with the floor, your knees are free of the chair seat, and your lower back is fully supported.
- Adjust the chair height the keyboard and mouse are at elbow height so your wrists are straight and supported.
- Maintain a neutral neck posture with the top of the monitor no higher than your eye level.
- Adjust the monitor and lighting to reduce glare on the screen and to place the monitor at a correct distance for your vision.
- Take periodic breaks to stretch your arms and wrists and rest your eyes.

CHAPTER 2

Configuring Your NeoStation

This chapter describes how to initially configure your NeoStation for your network.

Selecting the Settings

Do you need to configure?

To use your NeoStation on a network, it must be assigned a unique Internet Protocol (IP) address for identification. Your network may also require a few other settings.

If your network uses a remote configuration service such as the Dynamic Host Configuration Protocol (DHCP) or the Bootstrap Protocol (BOOTP), and your NeoStation loads its system software from its own local memory, your NeoStation may not need to be configured. In that case, all you do is turn on your NeoStation. Ask your system administrator if your network uses DHCP or BOOTP.

FYI

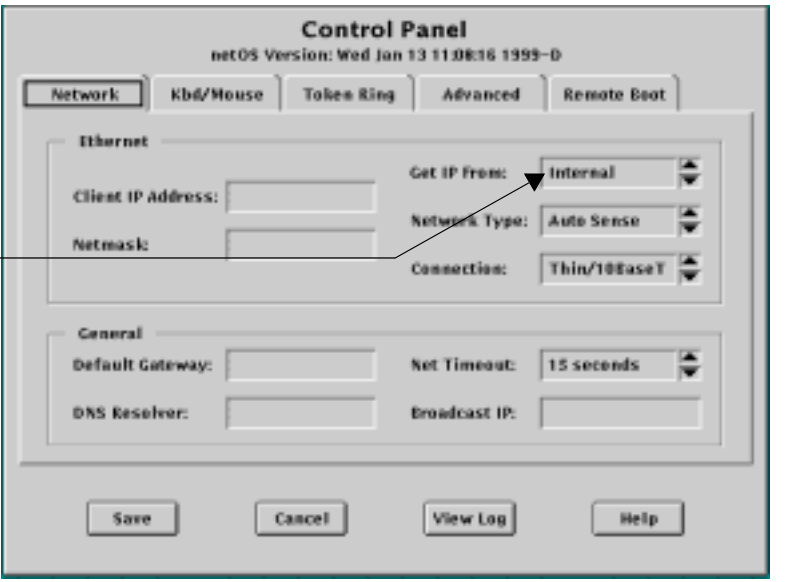
DHCP and BOOTP automatically supply the IP address and other setting for your NeoStation when it starts up.

Quick configuration procedure

1 Open the Neoware Control Panel:

- Click Cancel in the Loading Software screen as your NeoStation boots.
- Or click Settings in a WINConnect dialog box.
- Or press CTRL + ALT + END, and then click Neoware | Settings | Control Panel.

2 In the Network tab, select the Ethernet settings:



If your network uses DHCP or BOOTP, select *DHCP/BOOTP*. If it doesn't, select *Internal*.

Tip

You can move to the next box on a tab by pressing the Tab key. To move to the previous box, press SHIFT + TAB.

- *Client IP Address:* If your network uses DHCP or BOOTP, leave this box blank. If it doesn't, type the IP address for your NeoStation in dotted-decimal format (for example, *10.10.10.10*).
- *Netmask:* If needed, type a dotted-decimal netmask number. The netmask distinguishes your local network from a larger network.
- *Get IP From:* If your network uses DHCP or BOOTP, select *DHCP/BOOTP*. If it doesn't, select *Internal*, which tells the network to use the IP address in the Client IP Address box.
- *Network Type:* Select *Auto Sense*, which automatically selects the correct type for your network.
- *Connection*: For a 10BaseT Ethernet connection, select *Thin/10BaseT*. For 100BaseT Ethernet, select *Thin/10BaseT* for half duplex mode, or *Thick(MAU)* for full duplex.

3 If needed, select general network settings:

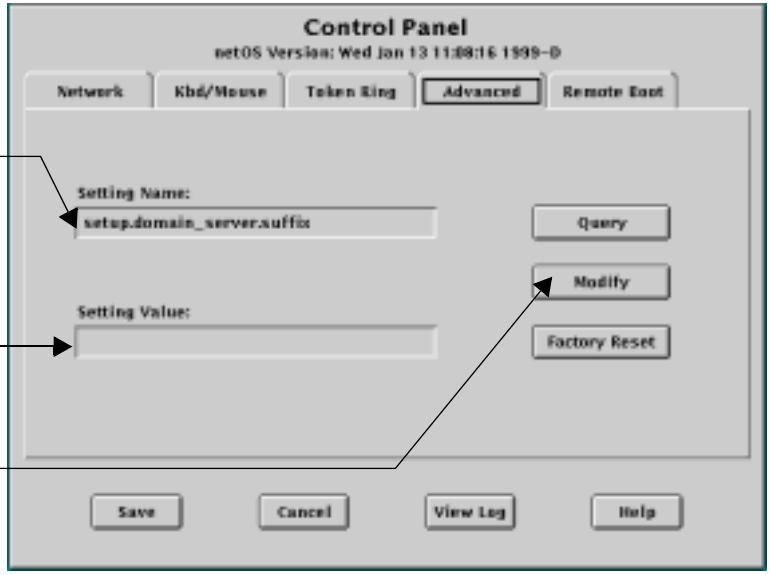
- *Default Gateway:* If your NeoStation and the logon server are on different networks, type the IP address of the router or gateway computer that connects them.

FYI

The Domain Name Service (DNS) is a server-based program that translates server names into IP addresses.

- *DNS Resolver:* If needed, type the IP address of a DNS server on your network.
- *Net Timeout:* Normally select the default, *15 seconds*. If your network is frequently busy, select a higher setting.
- *Broadcast IP:* Specify how broadcast requests are sent from your NeoStation to the network. Typically the setting is *255.255.255.255* or *0.0.0.0*. Ask your system administrator.

4 If your network uses DNS but isn't supplying the domain name, click the Advanced tab, type *setup.domain_server.suffix* in the Setting Name box, type your domain name in the Setting Value box, and then click Modify.



Type this setting name.

Type your domain name here. Ask your system administrator for it.

Then click Modify.

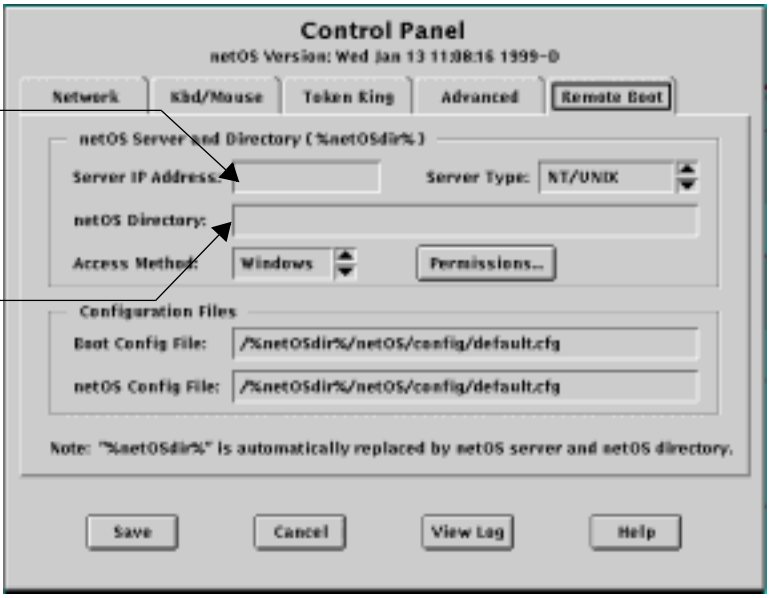
5 If your NeoStation loads its netOS from a server, click the Remote Boot tab, and then type the netOS Server and Directory settings:

FYI

The netOS server is the server on which the netOS system software is installed.

The netOS directory is the directory containing the netOS software.

- *Server IP Address:* If your network uses DNS, type the DNS name of the netOS server. If it doesn't, type the IP address of the netOS server. If your NeoStation loads system software from its local memory, keep the default, *0.0.0.0*.



- *netOS Directory:* If you typed a DNS name in the Server IP Address box, type the netOS directory share name (for example, *netOS_I*).

  If you typed an IP address in the Server IP Address box, type the path up to and including the netOS directory. The syntax of the netOS directory path depends on the access method:

  Windows: \\<*NetBIOS server name*>\<*netOS directory share name*>

  NFS: /<*drive letter*>/<*netOS directory path*>

  FTP: <*drive letter*>:/<*netOS directory path*>

  TFTP: /<*netOS directory path*>

- *Access Method:* Select *Windows* (that is, CIFS or SMB) for access to Windows NT-based servers. For UNIX-based servers, normally select *NFS*. If your NeoStation loads system software from its local memory, select *TFTP*.

Caution

Be sure to type the slashes in the netOS Directory box in the right direction for your access method, and don't type a slash after the path. The path shouldn't include the *netOS* subdirectory.

Windows and FTP usually require a user name and password to connect to the server. Click Permissions, type them, and then click OK.

- *Server Type:* Unless the netOS server is a VMS computer, select *NT/UNIX*.

6 If needed, change the netOS Config and Boot Config files.

Warning Don't change these settings unless instructed to do so by your system administrator. Most networks use the default, */%netOSdir%/netOS/config/default.cfg*.

7 Click Save.

Your settings are saved in your NeoStation's memory.

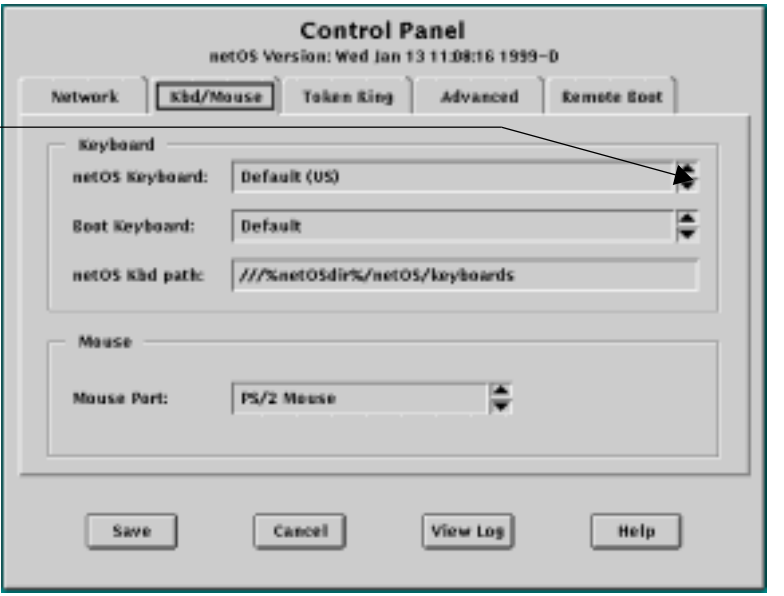
8 Click Yes and then Reboot Now.

As of Release 4.0.2, if a client IP address wasn't correctly configured, a pop-up dialog box appears during the boot sequence. Click Configure, check and correct your client IP address settings in the Neoware Control Panel, and then reboot your NeoStation.

Selecting keyboard and mouse settings

If your network uses international keyboards, you can select a keyboard language in the Kbd/Mouse tab. You can also select a mouse port type.

1 **In the Neoware Control Panel, click the Kbd/Mouse tab.**



2 **In the netOS Keyboard box, select a keyboard language.**

This setting selects the keyboard language that is in effect after your NeoStation boots.

3 **If needed, select a boot keyboard language.**

This setting applies only when your NeoStation is booting. For most networks, the netOS and boot keyboard languages should be the same.

4 **If needed, select a mouse port type.**

If your mouse or pointer device is connected to the MOUSE port on the back of your NeoStation, select *PS/2*. If it's connected to a serial port, select *serial 1* or *serial 2*.

5 **Click Save, Yes, and then Reboot Now.**

CHAPTER 3

Using the Neoware Desktop

This chapter explains how to use the Neoware desktop to manage your NeoStation sessions.

Getting Started

Overview

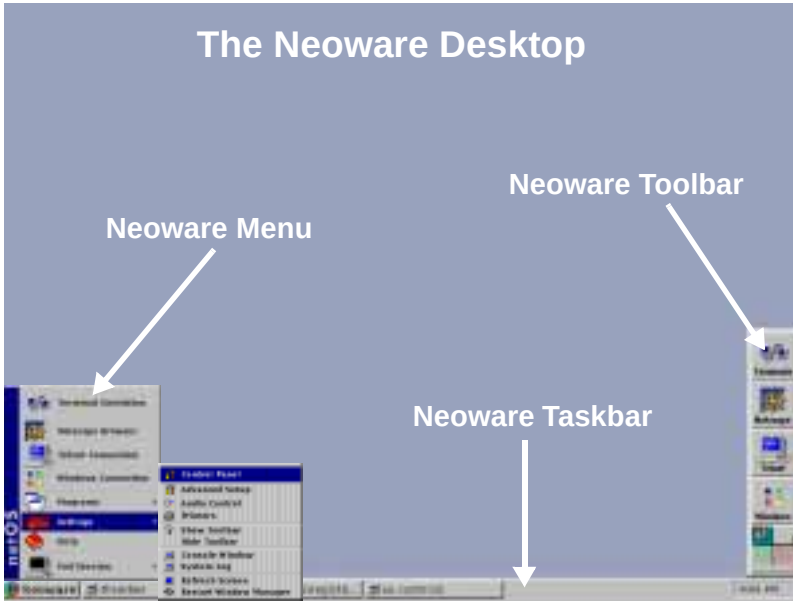
After your NeoStation starts, the Neoware desktop appears. The Neoware desktop is a graphical user interface that lets you start and manage multiple Windows and other network connections, use Netscape Navigator and other local programs, and change settings.

Note

You may need to log into a network server before the Neoware desktop appears on your NeoStation. To learn how, see page 25.

Tip

You can always display the Neoware desktop by pressing CTRL + ALT + END.



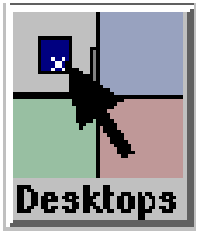
Using the toolbar

The Neoware toolbar is a floating palette from which you can start Windows and other connections and manage your Neoware desktops. By default, the Neoware toolbar is located at the bottom right of the Neoware desktop, but it can be moved, resized, and hidden.

- **To select a toolbar item**, click its button.

  To learn how to start connections from the toolbar, read the other chapters of this manual.
- **To move the toolbar**, middle-click and drag its edge.
- **To resize the toolbar**, left-click and drag an edge to enlarge the toolbar. To reduce the toolbar, drag an edge to enlarge it, and then drag the edge inward to reduce it.
- **To hide or display the toolbar**, click Settings | Hide Toolbar or Show Toolbar on the Neoware menu.

Using the Desktop Divider



The Desktop Divider at the bottom of the Neoware toolbar is a miniature representation of four desktops in which you can open and move Neoware windows. In effect, the Desktop Divider quadruples the work space available on the Neoware desktop.

- **To display a Neoware desktop**, left-click one of the quadrants in the Desktop Manager.
- **To move windows between Neoware desktops**, middle-click and drag a window icon in the Desktop Divider from one quadrant to another. For example, in the accompanying illustration a window icon is being dragged from the upper left quadrant.

Using the taskbar

The Neoware taskbar is a movable control bar. Every open Windows connection and Neoware window has a taskbar button.

- **To open the Neoware menu**, click the Neoware button on the taskbar. Then click a menu item to select it.

To open the Neoware menu, click the Neoware button.
To select a window, click its taskbar button.
Neoware
thresher
xv controls

Note

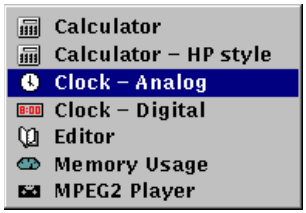
Your system administrator can hide the Neoware taskbar so that it appears as a thin line. When you point to this line, the taskbar appears. When you point away from taskbar, the taskbar hides again.

- **To select a window or connection**, even when it isn't on the current Neoware desktop, left-click its taskbar button. To learn how to use Neoware windows, see page 23.
- **To move the taskbar,** middle-click and drag the edge of the taskbar beyond the middle of the desktop. Then release the mouse button, and the taskbar moves to the top or bottom.
- **To resize the taskbar,** left-click and drag an edge of the taskbar. As you open more windows, you may want to enlarge the taskbar to make its buttons more readable.
- **To display the window properties**, right-click its taskbar button. To close a Properties box, click it.

Using Accessories and Other Features

Using the Accessories menu

The Accessories menu includes calculators, clocks, and other useful programs. To open the Accessories menu, click Programs | Accessories on the Neoware menu.



- *Calculator* and *Calculator - HP style* are two calculators.
- *Clock Analog* and *Clock Digital* are two clocks.
- *Editor* opens the netOS Editor, used by administrators to view and edit system files.

Caution

A low memory warning appears when nearly all the RAM in your NeoStation is in use. To correct this problem, close some windows and local programs, or reboot.

- *Memory Usage* gauges how much random access memory (RAM) is in your NeoStation and how much is available (that is, isn't being used).
- *MPEG2 Player* plays MPEG-2 video files. It starts automatically whenever Netscape Navigator finds an MPEG-2 file in a web page.

Adjusting the audio

If you have an audio-equipped NeoStation, you can adjust the play and record volume and balance, and select audio input and output devices.

1. **On the Neoware menu, click Settings | Audio Control.**
2. **Drag the Play Volume, Play Balance, Record Volume, or Record Balance slide bars to adjust the volume or stereo balance.**

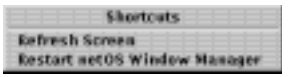
   Monitor Volume controls the amount of audio input sent to the audio out device. Its normal value is zero (0).
3. **Click the Audio Out Device or Audio In Device drop-down menu, and then click a device.**
4. **Click the Audio Control's Close (X) button.**

The Audio Control also displays the sample rate and other statistics.

Tip
You can also adjust the audio play volume by pressing CTRL + ALT + PLUS key to increase it by ten percent or CTRL + ALT + MINUS key to decrease it. Use the Plus and Minus keys near the numeric keypad, not the letters.

Redrawing the desktop

- **To redraw the Neoware desktop**, click Settings | Refresh Screen on the Neoware menu.
- **To restart the desktop** if it isn't functioning properly, click Settings | Restart Window Manager on the Neoware menu.



You can also redraw or restart the Neoware desktop by right-clicking the Neoware desktop, and then clicking a Shortcuts menu command.

The Console Window and System Log

The Console Window is used by administrators to view system directories and files. The System Log is a diagnostic log of system error messages and other information. To open them, click Settings | Console Window or System Log on the Neoware menu.

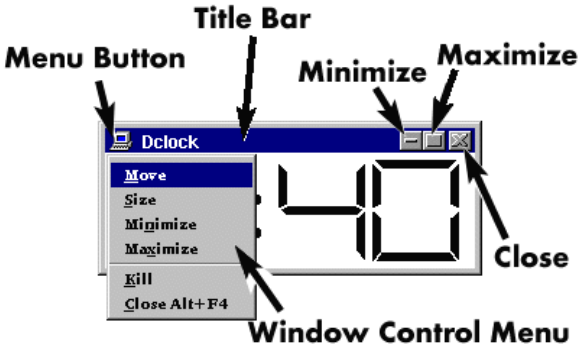
Using Neoware Windows

Using the window controls

Each program on the Neoware desktop operates in a separate window that you can maximize, minimize, and move.

FYI

The title bar displays the name of the program in the window. When it's highlighted, the window is active, meaning the keyboard and mouse interact with that program.



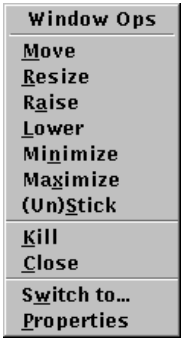
- **To display the Window Control menu**, click the Menu button. Then click a menu command. For example, click Move, drag the window, and then click the pointer at the desired position.
- **To reduce a window to a taskbar button**, click its Minimize button (-). To reopen the window, click its taskbar button.
- **To fill the desktop with a window**, click its Maximize button (❐).
- **To close a window and its program(s)**, left-click its Close button (X). The pointer changes to a skull and crossbones.
- **To move a window,** left-click and drag its title bar. Or middle-click and drag a window edge or corner.
- **To resize a window,** left-click and drag an edge or corner.

Caution

Killing a window causes the program(s) in it to abruptly terminate. For programs such as Netscape Navigator, killing their window(s) may cause corrupted files.

Using the Window Ops menu

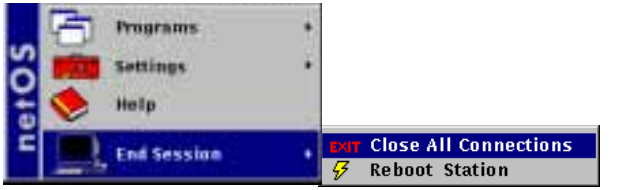
The Windows Ops menu is another way to control Neoware windows. To open the Windows Ops menu, middle-click the background of the Neoware desktop.



- *Move* lets you left-click and drag a window.
- *Resize* lets you left-click and drag a window edge.
- *Raise* and *Lower* lets you left-click in a window to move it in front of or behind other open windows.
- *(Un)Stick* enables you to left-click a window to make it stick (that is, appear) or unstick on all four Neoware desktops. The title bars of "sticky" inactive windows are green.
- *Switch to* lists the all the open Neoware windows. You may want to use this command when the Neoware taskbar is hidden.
- *Properties* lets you left-click a window to display its properties. To close the Properties box, click it.

Ending Your Session

- **To end your NeoStation session**, click End Session | Close All Connections on the Neoware menu.



  Once you've closed the connections, you don't need to turn your NeoStation off, but you can if you want to. If your monitor is in sleep mode, you may need to move the mouse or press a key to reactivate its screen.

- **To reboot your NeoStation**, click End Session | Reboot Station.

CHAPTER 4

Using Windows Connections

This chapters explains how to start, switch, and close Windows connections on your NeoStation.

Starting a Windows Connection

The WINConnect dialog box

You can start multiple, simultaneous connections to Windows NT-based servers in order to use Windows programs. You can also save your connection options so that you don't need to type your user name and password each time you connect, or so that connections start automatically when your NeoStation does.

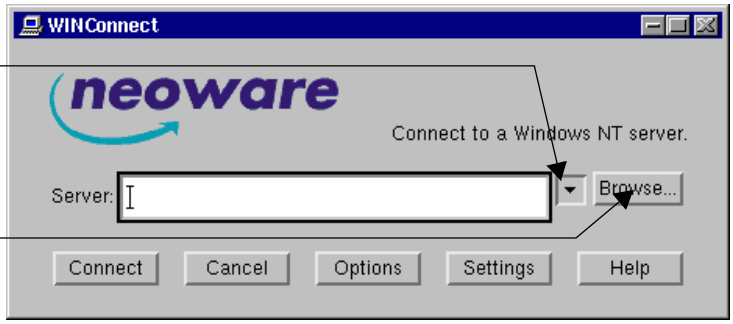
1 **If the Neoware desktop isn't on screen, press CTRL + ALT + END.**

2 **Click the Windows button on the Neoware toolbar.**

Or click Windows Connection or Programs | Connections | Windows Connection on the Neoware menu.

To display the previous connections, click the down arrow.

To find a server, click Browse.



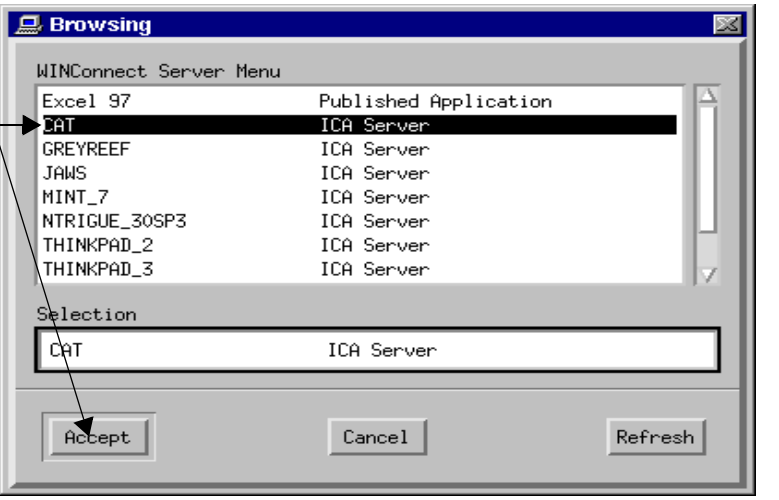
3 **Select a server:**

FYI

The drop-down server list can hold up to seven server names or IP addresses. If you make more than seven connections, it saves the most recent ones.

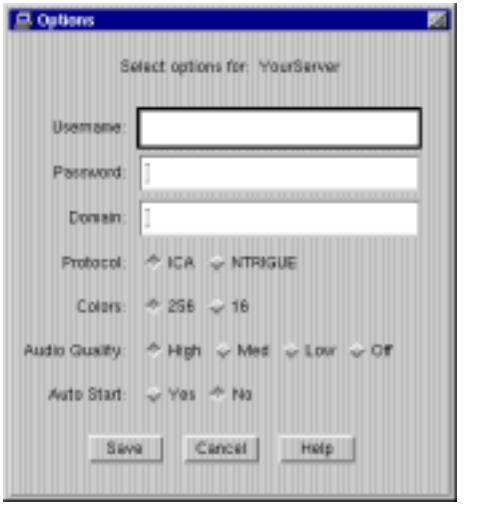
- If you know the server DNS name or IP address, type it in the Server box.
- If you want to use a previous connection, click the down arrow button, and then click a server.
- If you want to find a server, click Browse, click a server or published application in the WINConnect Server menu, and then click Accept.

To select a server, click it and then click Accept.



4 **If you want to save options for this connection, click Options.**

Saving options isn't typically required. If you don't want to save options, go to Step 7.



5 **Enter your options:**

- Type your user name, password, and a domain name if needed.

FYI

A domain is a group of servers with shared access privileges. When you connect to a server in a domain, you have access to the other servers in that domain.

If your network has only one server, a domain name usually isn't required.

FYI

You can select more than one automatically starting Windows connection. Your network may require you to logon before automatic connections start.

- Select *ICA* as the protocol for most servers and *256* as the correct maximum color depth for most connections.
- Select an audio quality setting other than *Off* only if your NeoStation is audio-equipped.
- Select *Yes* for Auto Start if you want this connection to automatically start when your NeoStation boots.

6 Click Save.

7 In the WINConnect dialog box, click Connect.

If you saved a user name, password, and other options for this connection, a full-screen Windows desktop appears.

If you didn't save options, a server logon dialog box appears. Enter your user name, password, and other information if needed, and then click OK to connect.

When you're connected, you can display the Neoware desktop and start another Windows connection by pressing CTRL + ALT + END.

Switching and Closing Connections

Using Windows programs

Once you've started a Windows connection, you can use and print from its programs just as you would on a networked personal computer. The Windows program files (for example, a Microsoft Word document) are normally saved and stored on servers. To learn how to use the Windows desktop and programs, read their documentation and help messages.

Switching connections

Once you've started more than one Windows connection, you can easily switch between them:

- **To display the next or previous Windows connection**, press CTRL + ALT + ↑ or ↓.
- **To display the most recently viewed Windows connection from a Neoware desktop,** press CTRL + ALT + HOME.

You can also display a Windows connection from a Neoware desktop by clicking its button on the Neoware taskbar. Or left-click the background of a Neoware desktop, and then click a connection on the Windows Sessions pop-up menu.

Closing connections

- **To close a Windows connection**, click *Disconnect* or *Logoff* from its Start menu.

  If you disconnect rather than log off, when that connection is restarted its desktop and programs appear as you left them.
- **To close all the connections**, click End Session | Close All Connections on the Neoware menu.

  Then you can turn off your NeoStation, or leave it turned on. If your monitor is in sleep mode, you may need to move the mouse or press a key to reactivate the screen.
- **To reboot your NeoStation**, click End Session | Reboot Station on the Neoware menu.

CHAPTER 5

Using Other Connections

This chapter explains how to start and use Telnet, Netscape, terminal emulation, and dial-up connections on your NeoStation.

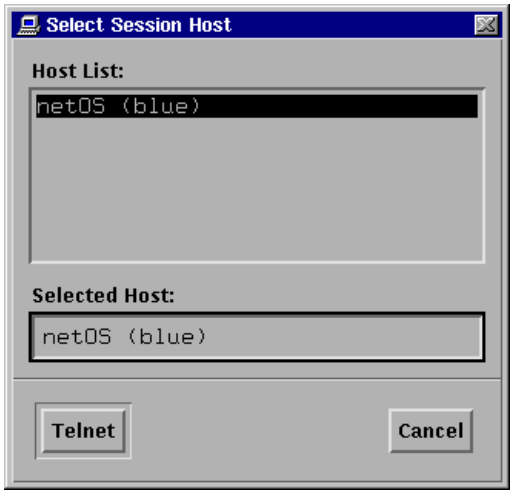
Connecting to UNIX-based Servers

Starting a Telnet connection

Telnet is a protocol you can use to access programs running on UNIX-based servers, mainframes, and other host computers.

1 To start a Telnet connection, do one of the following:

- On the Neoware toolbar, click the Telnet button.
- Or click *Telnet Connection* on the Neoware menu.
- Or click Programs | Connections | Telnet Connection on the Neoware menu.



2 **Click a host on the Host List. Or type a host IP address or host name in the Selected Host box.**

3 **Click the Telnet or rlogin button.**

To start an X Window connection from the UNIX-based server, set your screen to the local display by pressing *Alt+F12* when using C shell or *Alt + F11* when using Bourne shell.

To close a Telnet connection, click the Close (X) button on its window.

Using Netscape Navigator

Selecting access settings

Netscape Navigator is the local Web browser that runs on your NeoStation. It can be used to access intranets or the Internet. Navigator can display HTML pages, including frames, tables and JavaScript elements, as well as GIF, JPEG, and XBM graphics.

FYI

To store your bookmarks, you must have a shared or exported home directory on a Windows NT- or UNIX-based server, or on your NeoStation hard drive. Ask your system administrator.

Tip

Even if you select the Don't ask me about this again checkbox, you can open the Netscape Access dialog box by clicking Programs | Internet | Netscape Access Settings on the Neoware menu.

1 **On the Neoware menu, click Programs | Internet | Netscape Access Settings.**

The Netscape Access dialog box also appears the first time that you start Navigator.

2 **Click *Local Storage* or *Server on LAN* (local area network) for storing your Navigator bookmarks.**

3 **Click *LAN* or *Dial-up* to access the Internet through your network or a dial-up connection.**

4 **To save your settings and suppress the Netscape Access dialog**

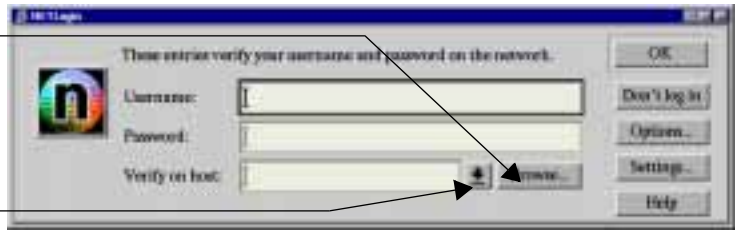
box, click the Don't ask me about this again box.

5 **Click Continue.**

- If you selected *Local Storage* and *LAN* access, Navigator starts.
- If you selected *Local Storage* and *Dial-up* access, and no dial-up connection has been set up, the modem dialer appears. To learn how to use the modem dialer, see page 33. If a dial-up connection has been set up, the modem dialer dials the number, and then Navigator starts.
- If you selected *Server on LAN* storage and *LAN* access, the NETLogin dialog box appears.

To find a server, click Browse.

To select a previous login server, click the down arrow button.



Type your user name and password, and then select a server (that is, host). To find a server, click Browse, click a server on the NETLogin Host menu, and then click Accept. When you're done, click OK in the NETLogin dialog box, and Netscape will start.

- If you selected *Server on LAN* storage and *Dial-up* access, the NETLogin dialog box appears. To start Navigator, first log onto a server. Then, if no dial-up connection has been made, complete the modem dialer.

Once you've started Navigator, you can use all its browsing features. To learn how to use Navigator, click Help on its menu.

Printing Netscape pages

The local Netscape Navigator browser prints to PostScript printers only. Before printing Netscape pages, a printer for local programs must be added and selected. To learn how, see page 37.

If you're using a local printer (that is, one directly connected to your NeoStation) to print Netscape pages, make sure the printer is turned on and not currently printing other files.

- **To print Netscape pages**, click File | Print from the Netscape menus, and then click Print.

When you're printing from the local browser, the default printer on your Printer List is used unless your override it.

- **To override the default printer**, type a printer name after the print command, using this syntax:

  print -P <printer name>

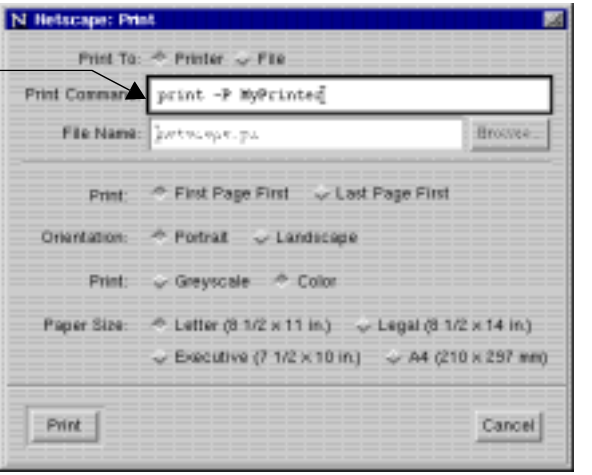
  For example, to print to *MyPrinter* rather than to the default printer, you would enter:

  print -P MyPrinter

Tip

If a default local or network printer has been selected for your NeoStation, you can type *default* in place of its printer name.

Type the overriding printer name in the Print Command box.



Making a Dial-up Connection

To remote networks

If a modem is connected to a serial port on your NeoStation, you can use the Neoware modem dialer to dial an Internet service provider (ISP) or a remote network that uses the Point-to-Point Protocol (PPP). Once the dial-up connection is made, you can start Windows and other connections to the remote servers.

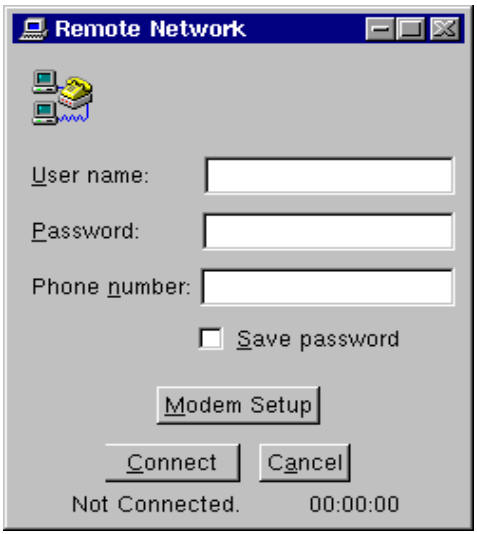
> FYI
>
> **PPP is a communication protocol that lets you make network connections over a telephone line.**

To use the modem dialer to connect to an ISP, no special configuration is needed on your NeoStation. However, to connect to other remote servers, you may need to enter a DNS resolver or to enable ICA browsing.

Using the modem dialer

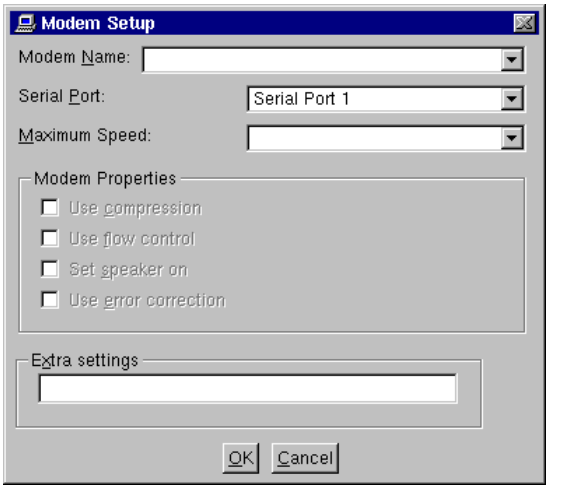
1. **On the Neoware menu, click Programs | Connections | Modem Dialer or Programs | Internet | Modem Dialer.**
2. **In the Remote Network dialog box, type your user name and password for the ISP or remote server.**
3. **Type the phone number of the ISP or remote server.**

   Don't type hyphens, spaces, or the command string (for example, *ATDT*). If needed, include the long distance digit and area code (for example, *1,610*). Commas indicate short pauses.
4. **To save the password for subsequent dial-up connections, click Save password.**
5. **Click Modem Setup.**



6 **On the Modem Name drop-down list, click your modem type.**

> **Tip**
> **If you can't find your modem on the Modem Name list, select a similar one. You can also type the initialization strings and other settings for your modem in the Extra Settings box.**



7 **Select the serial port (1 or 2) to which the modem is connected.**

8 **If needed, select a maximum speed for the connection.**

As of Release 4.0.2, the modem dialer supports speeds up to 56 Kb. However, your ISP or remote server must be set up for 56 Kb communication.

9 **If needed, select or clear modem properties.**

10 **Click OK, and then click Connect.**

The settings are saved in the nonvolatile memory of your NeoStation. Once a dial-up connection is made, its duration appears in the Remote Network dialog box. For subsequent dial-up connections, simply click Connect in the Remote Network dialog box.

Selecting a DNS resolver

To use the modem dialer to start Windows connections on a remote server, you need to select a primary and/or secondary DNS resolver to be able to type remote server names in a WINConnect dialog box.

1 **On the Neoware menu, click Settings | Control Panel.**

2 **In the Neoware Control Panel Network tab, type the IP address of the primary DNS resolver in the DNS Resolver box.**

- If your NeoStation loads its system software from a server, type the DNS resolver of your local network.
- If your NeoStation loads software from its own local memory, type the primary DNS resolver of the remote network.

3 Click Save, and then reboot your NeoStation.

To select a secondary DNS resolver, use the Setup | Setup Options | Domain Name Servers menu.

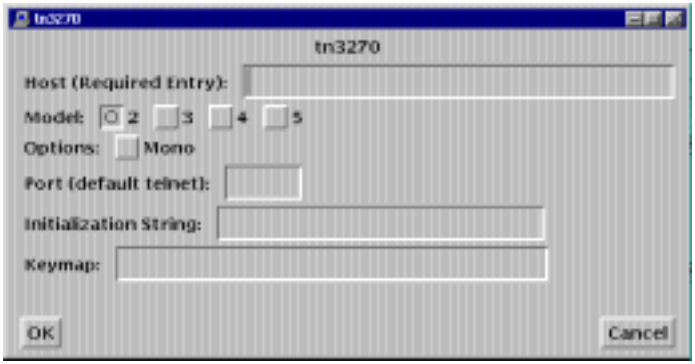
Using Terminal Emulations

TN3270 connection

The Neoware menu includes a TN3270 emulator that provides IBM 3278 terminal emulation.

1 On the Neoware menu, click Programs | Connections | TN3270 Connection.

2 Enter the requested information:



FYI

The TN3270 emulator doesn't support international keyboards.

The host computer is typically a server or mainframe. The model specifies the size of the 3278 emulation:

- Model 2 is 80 x 24.
- Model 3 is 80 x 30.
- Model 4 is 80 by 43.
- Model 5 is 132 x 27.

You can use the Port box to enter the TCP port and the Initialization String box to enter a string to send to TCP connection. The Keymap box can be used to specify a keyboard type.

3 **Click OK to connect.**

VT320 emulation

The Neoware menu also includes a *term* emulator that provides DEC VT320 emulation through a serial port connection. To learn more about *term*, read the *Neoware System Administrator's Guid*e.

1 **On the Neoware menu, click Programs | Connections | Serial Connection.**

2 **Click Serial Port 1 or 2.**

If you're connected to the appropriate network type, you can enter VT320 commands now.

teemTC emulation suite

teemTC is a suite of more than 30 terminal emulations from Pericom Software PLC that is an optional upgrade for the Intranets version of netOS. If your NeoStation is using the teemTC option, a Terminals button appears on the Neoware toolbar and a Terminal Emulation item is listed on the Neoware menu. To learn how to use teemTC emulations, see page 47.

CHAPTER 6

Printing

This chapter explains how to print files from server-based and local programs from your NeoStation.

Printing from Server-based Programs

When you're using a Windows or Telnet connection, you can print program files to network printers just as if you were using a personal computer. For example, if you're using a Windows connection, use the print commands in the Windows-based programs, and select printers and options in Windows. Read your Windows and program documentation for details.

Printing from Local Programs

Adding printers

FYI

Your writable home directory can be in local flash memory, shared on a Windows NT-based server, or exported on a UNIX-based server. Directories on servers must have the correct access privileges.

Before you can print files from the local Netscape Navigator browser, teemTC terminal emulations, and other programs running on your NeoStation, the printer(s) to be used must be selected. To add a printer for local programs, your NeoStation must be able to locate your home directory, either in its local storage or on a server that you logged onto at startup. If it can't find a writable home directory, you have to use network printers for local programs.

1 **On the Neoware menu, click Settings | Printers.**

If your NeoStation found a writable home directory, the Add Printer dialog box appears. If it didn't, the Printer List appears.

2 **In the Add Printer dialog box, type a printer name.**

- If you're adding a network printer, the name must match its assigned network name. To find a network printer name, click View Existing Printers.
- If you're adding a local printer, its name must be different from any network printer. Two printers can't have the same name on a network.

3 **Select a server type.**

Local indicates a printer connected directly to your NeoStation.

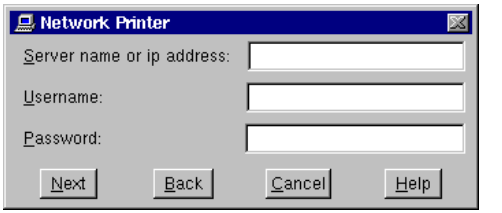
4 **Select whether this is the default printer.**

5 **Click Next.**

FYI

You should select only one default printer for local programs. If more than one printer is selected as the default, the printer with the alphabetically first name is used.

6 **If you selected *Windows* or *UNIX* as the server type, type the server name or IP address, and a user name and password on the server.**

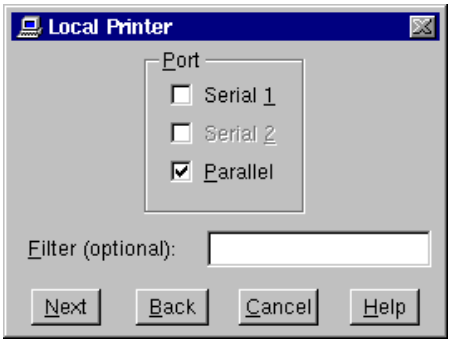


- For a server using Domain Name Service, type its DNS name.
- For a UNIX server without DNS, type its IP address.
- For a Windows NT-based server without DNS, type its IP address followed by its NetBIOS name using this syntax:

  [IP address]/[NetBIOS name]

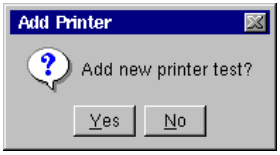
  For example, if the server IP address was *10.10.10.10*. and its NetBIOS name was *mainserver*, you would type:

10.10.10.10/mainserver



7 **If you selected *Local* as the server type, select a port type in the Local Printer dialog box.**

The default port type is *Parallel*. To learn if your printer needs a text input filter, read its manual.



8 **Click Next, and then click Yes to add the printer to the list.**

To test the printer, click Print Test Page. The printer must be turned on and, if it's a local printer, not currently printing other files.

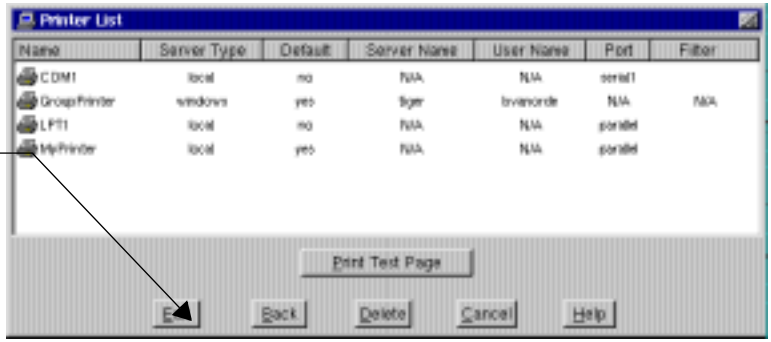
9 **Click Finish.**

Changing printers

Once one or more printers for local programs have been added at your NeoStation, you can delete them and edit their settings. However, you can't edit or delete printer settings set up by your system administrator on a server.

1 **On the Neoware menu, click Settings | Printers.**

2 **If the Add Printer dialog box appears, click View Existing Printers.**



To change a printer's settings, first click Edit.

3 **Click a printer name, and then do one of the following:**

- To test the printer, click Print Test Page.
- To change its settings, click Edit.

  To edit the settings, don't change the printer name in the Add Printer dialog box. To add another printer with the same settings, change the printer name. To learn more about printer settings, see page 37.
- To delete the printer, click Delete, and then click Yes.

Overriding local printers

FYI

The default printer in your Printer List overrides the default printer for your network.

When you're printing from local programs, the default printer on your Printer List is used unless your override it. You can override the default printer by editing the *print* command in the local program's print dialog box.

To learn how to override the default printer in the local Netscape Navigator browser, see page 32. To learn how to override the default printer in a teemTC terminal emulation, see page 36.

CHAPTER 7

Changing Advanced Settings

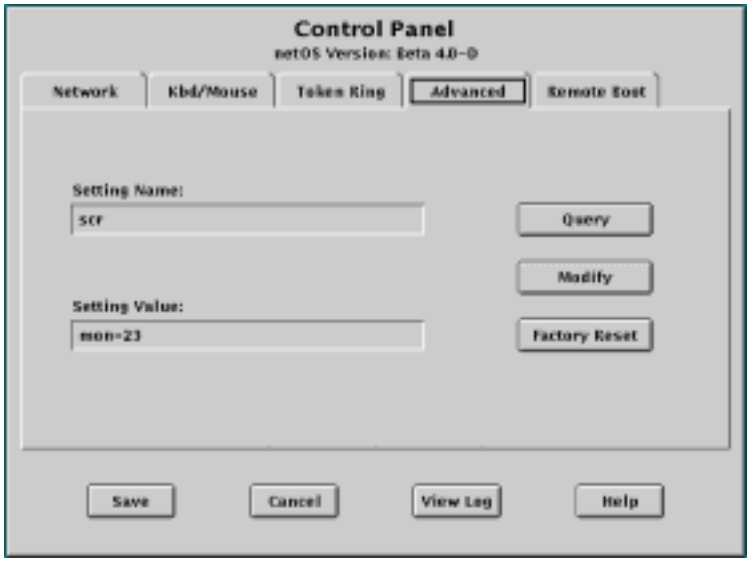
This chapter explains how change the advanced settings using the Neoware Control Panel and Setup menus.

Viewing and Changing Settings

Using the Advanced tab

Using the Neoware Control Panel Advanced tab, you can view and change the settings saved in the nonvolatile memory of your NeoStation. You can also reset them to their factory default values.

1 In the Neoware Control Panel, click the Advanced tab.



Tip

You can configure your NeoStation to browse for ICA servers across subnets by typing *ica.servers* in the Setting Name box, entering the server IP address(es) or DNS name as the setting value(s), and then clicking Modify. Separate the addresses or names with commas.

Tip

You can also find your current monitor setting(s) by entering *hwconfig* at the command prompt in a Console window.

2 **Type a setting name.**

In the above example, we typed *scr* for the monitor timing setting. To learn about other settings you can view and change, ask your system administrator.

3 **To view the setting's current value, click Query.**

4 **To change the value, type a new value, and then click Modify.**

5 In this example, the monitor setting is 22 (*mon=22*).

6 **To save the setting in nonvolatile memory. To exit without saving, click Cancel.**

Changing User Preferences

Using the Setup menus

You can also change settings on your NeoStation using the Setup menus. In general, you should use the Neoware Control Panel to change settings related to starting up your NeoStation, but the Setup menus are a convenient way to change your screen resolution, audio output, and other settings.

This section explains how to change only some of the settings in the Setup menus. To learn about other settings, ask your system administrator.

1 **To open the Setup main menu, click Settings | Advanced Setup on the Neoware menu, or press ALT + PRINTSCRN.**

2 **Click Setup Options.**

To learn how to change your user preferences, read the following sections.

Tip

To display a gauge of the random access memory(RAM) available in your NeoStation, click Memory.

To open a Console window, click Console.

Screen settings

You can change the screen resolution and color depth of your NeoStation using the Screen Settings item.

1 **In the Setup main menu, click Setup Options | User Preferences.**

2 **Click Screen Settings until the desired setting appears.**

The screen setting values are determined by these factors:

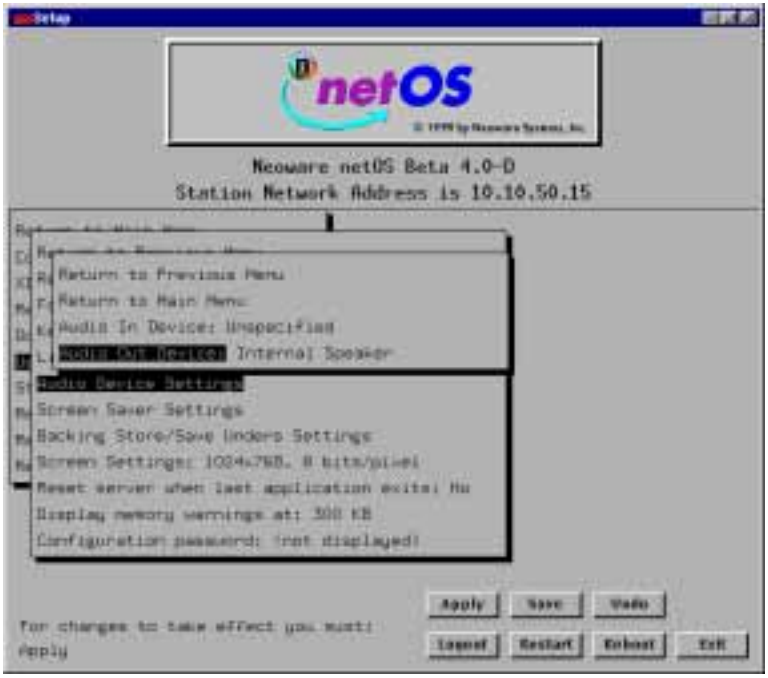
- Your monitor timing.
- The color depth and video memory of your NeoStation.
- The netOS release your NeoStation is using.
- The programs and protocols you're using.

3 **Click Save, and then click Restart.**

Audio output settings

If you have an audio-equipped NeoStation, you can change its audio output so that audio plays through its internal speaker, headsets, or other devices.

1. **In the Setup main menu, click Setup Options | User Preferences.**
2. **Click Audio Device Settings.**
3. **Click Audio Output Device until the desired setting appears.**



Your options are:

- *Internal Speaker*, the default, selects the internal speaker and disables the Headphone/Line Out jack.
- *External Speakers* disables the internal speaker and directs audio to the Headphone/Line Out jack.
- *Headset* disables the internal speaker and directs audio to the Headphone/Line Out jack.

FYI

The Audio In Device setting doesn't apply to your NeoStation. Leave it at its default setting, *Unspecified*.

Tip

If you're using the internal microphone, select *External Speakers* to avoid feedback.

- *CallPort Spkr/Mic* disables the internal speaker and directs audio to the Headphone/Line 47 Out jack.

4 **Click Apply, and then click OK.**

Keyclick and bell settings

You can change the keyclick volume and the bell volume, pitch, and duration. A keyclick is the sound made when a key is pressed.

1 **In the Setup main menu, click Setup Options | User Preferences.**

2 **Click Keyboard and Bell Settings.**

3 **Click a keyclick or bell item until the desired setting appears.**

- *Keyclick volume* from 0% (no sound) to 100% (loudest).
- *Bell volume* from 0% (no sound) to 100% (loudest).
- *Bell pitch* from 100-to-10,000 Hz.
- *Bell duration* from 10-to-1,000 milliseconds.

4 **Click Apply, and then click OK.**

> Tip
>
> **If you're using the internal microphone, set the keyclick volume to *0%* and disable the internal speaker to reduce ambient noise.**

Screen saver settings

You can also change the screen saver type and timeout period.

1 **In the Setup main menu, click Setup Options | User Preferences.**

2 **Click Screen Saver Settings.**

3 **Click a setting to change it.**

- *Screen Saver timeout* sets how many seconds without keyboard or mouse device activity must pass before the screen saver appears.
- *Screen Saver interval* sets the refresh rate for the X Logo screen saver method.
- *Screen saver method* lets you select the type of screen saver. For Energy Star compliant monitors, select *Energy Star*. For monitors that aren't Energy Star compliant, select *X Logo*.

4 **Click Apply, and then click OK.**

Appendix A: Optional Terminal Emulations

This appendix introduces how to use the optional teemTC suite of terminal emulations.

teemTC Emulation Suite

Supported emulations

teemTC from Pericom Software PLC is a suite of more than 30 alphanumeric and graphics terminal emulations that enables your NeoStation to access mainframe and minicomputers. The emulations include:

Alphanumeric Emulations

- ADDS A2.
- ANSI BBS.
- AT&T 5510.
- Data General DG410.
- DEC VT52, VT100, VT101, VT102, VT125, VT131, VT132, VT220, VT240, VT320, VT340, VT400-7, VT400-8, VT420.
- DOC 18.
- Hazeltine 1500.
- Hewlett Packard 2392A, 2622A, 700/92.
- IBM 3151, 3270 2, 3, 4, 5 NVT Mode, 3270E, and 5250.
- ICL 7561.
- McDonnell Douglas Prism-8, -9.
- Microcolor 2200.
- Prime PT250.
- SCO Console.
- Siemens 97801.
- Stratus V102.
- Tandem 6526, 6530.
- Televideo 910, 925.
- Viewdata 40, 80, Split.
- WYSE 50, 50+, 60.

Graphics Emulations

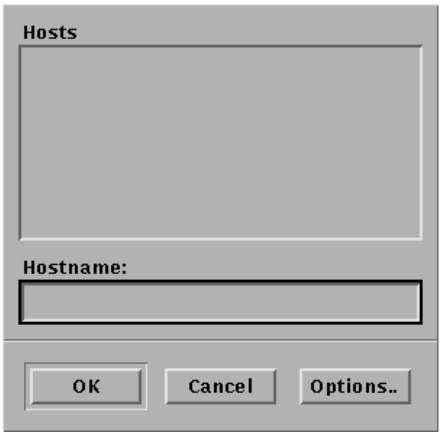
- DEC VT340 (ReGIS).
- IBM 3270.
- Retrographics VT640.
- Tektronix 4010, 4014.
- Westward 2119.

This section is only an introduction to teemTC. To learn more about using teemTC emulations, ask your system administrator. For complete information, order *Neoware Thin Client: teemNC Terminal Emulation Suite* and the *teemX User's Guide* from Neoware.

Starting a terminal emulation

If you're using teemTC, a Terminals button appears on the Neoware toolbar, and *Terminal Emulation* appears on the Neoware menu.

1. **On the Neoware toolbar, click the Terminals button. Or click Terminal Emulation on the Neoware menu.**
2. **In the Telnet Host dialog box, click a host, and then click OK.**



3 **Log into a host computer.**

Normally you must type your network user name at the login prompt and then your password.

4 **On the top menu bar, click Settings | Emulation.**

5 **Select an alphanumeric or graphics emulation and other settings, and then click OK.**

A terminal emulation starts, with a terminal designation (for example, VT320) on its status bar.

6 **To save its settings for future sessions, click File | Save Settings.**

7 **To end the emulation, click Quit.**

Printing text screens

You can print teemTC text screens to a network printer or to a printer directly attached to your NeoStation. If you're using a network printer, you don't need to be logged onto a server, but the printer must be shared on your network. If using a local printer, it must be turned on and not currently printing other files.

- **To print a text screen**, click Print Screen on the File menu, select the normal graphic print mode, and then click Print Text Screen.
- **To override the default printer**, click File | Print Setup | Text, and then type the name of an available printer in the Printer Driver box using this syntax:

  printer -p [printer name]

  Don't type anything in the Use Printer box.

Appendix B: Token Ring Settings

This appendix describes how to configure your NeoStation for a Token Ring connection.

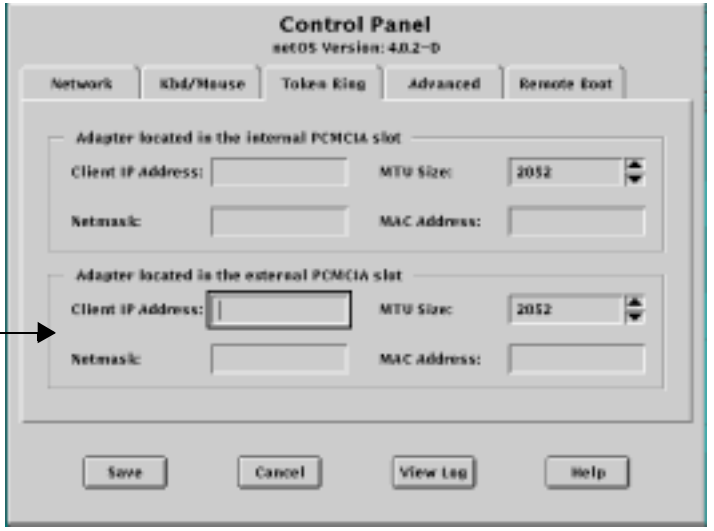
Configuring Your NeoStation

Using the Token Ring tab

Caution

Use only PC Cards from Neoware in your NeoStation.

1. **Insert a Token Ring adapter from Neoware into the PC Card slot in your NeoStation, and then connect a Token Ring cable to the PC Card.**
2. **Turn on your NeoStation, and then click Cancel in the Loading Software screen.**
3. **In the Neoware Control Panel, click the Token Ring tab.**



Enter your settings in this section of the Token Ring tab.

4 **In the external PCMCIA slot section of the Token Ring tab, enter the appropriate settings:**

- *IP Address:* Type an IP address for your NeoStation on the Token Ring network.

  Because your NeoStation can be connected to an Ethernet network and a Token Ring network at the same time, the Client IP Address box in the Network tab and the IP Address box in the Token Ring tab should have different values. You can connect to two Token Ring networks if you use a unique IP address for each.

  Important When your NeoStation is connected to a Token Ring network, the Client IP Address box in the Neoware Control Panel Network tab must have either a valid Ethernet IP address or a *1.1.1.1* setting. Your NeoStation won't work with the default *0.0.0.0* setting.

- *Netmask:* If needed, type a netmask setting for the Token Ring network. To learn about netmask settings, see page 14.

- *MTU Size:* Select a Maximum Transmission Unit (MTU) size between 516 and 17800.

- *MAC Address:* If absolutely needed, enter a Locally Administered Address (LAA) in the MAC Address box.

  A Media Access Control (MAC) address is burned into each Token Ring PC Card adapter by its manufacturer. However, you can override the MAC address by typing a LAA in this box.

Caution
You should rarely change the MAC address setting, and then only with extreme care.

5 **Click Save, Yes, and then Reboot Now.**

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